

MELEUS, A.

Remuneration of the cutters of mica. Sets. trud. no.9:124-125
'58. (MIRA 11:10)

1. Nachal'nik normativno-issledovatel'skogo otdela Proizvodstvenno-
tekhnicheskogo byura "Asbosifera."
(Mica) (Wages)

L 40188-66

ACC NR: AP6030058

SOURCE CODE: CZ/0039/65/026/007/0421/0423

38
B

AUTHOR: Malezinek, Adolf (Engineer)

ORG: Industrial Secondary School of Electrical Engineering, Prague (Stredni prumyslova skola elektrotechnicka)

TITLE: Programmed learning and electronics

SOURCE: Slaboproudý obzor, v. 26, no. 7, 1965, 421-423

TOPIC TAGS: learning mechanism, electronics

ABSTRACT: The article states the basic concepts of programmed learning, that is, a method conceiving learning as a certain kind of control. It reports on the state of programmed learning in Czechoslovakia and abroad, with special regard to programmed learning of electronics. Orig. art. has: 2 figures. [Based on author's Eng. abst.]
[JPRS: 33,541]

SUB CODE: 09 / SUBM DATE: 10Feb65 / ORIG REF: 003 / SOV REF: 002
OTH REF: 001

Card 1/1. 10

UDC: 621.38

0918 0653

MELEVANAYA, S.V.; PGDDUBNYY, V.I.; MAKSIMOV, V.I.; SUKHOZAD, G.A.;
VOLOSHIN, N., red.; RUDINA, G., tekhn. red.

[Mechanization on a small scale in Kuznetsk Basin mines]
Malaia mekhanizatsiia na shakhtakh Kuzbassa. Kemerovo, Ke-
merovskoe knizhnoe izd-vo, 1959. 99 p. (MIRA 15:11)
(Kuznetsk Basin—Coal mines and mining)

IMBRITSKIY, Matvey Iosifovich; MELEYEV, A.S., red.; BUL'DYAYEV, N.A.,
tekhn. red.

[Repair of fittings] Remont armatury. Izd.2., perer. 1 dop.
Moskva, Gosenergoizdat, 1963. 327 p. (MIRA 16:12)
(Electric power plants—Equipment and supplies)

ABRAMOVICH, A.D. [translator]; MELEYEV, A.S., red.; LARIONOV, G.Ye.,
tekhn. red.

[Coverage of peak loads in large electric power systems]
Problemy pokrytiia pikov nagruzki v moshchnykh energosiste-
makh. Moskva, Gosenergoizdat, 1963. 271 p. Translated
from the English. (MIRA 17:1)
(Electric power distribution)

VUKALOVICH, Mikhail Petrovich; MELEYEV, A.S., red.

[Tables of the thermodynamic properties of water and water-vapor] Tablitsy termodinamicheskikh svoistv vody i vodivapora. Izd.7., perer. i dop. Moskva, Gosenergoizdat, 1963. 401 p. (MIRA 17:5)

RIVKIN, Solomon Lazarevich; MELEYEV, A.S., red.

[Thermodynamic properties of gases] Termodynamicheskie
svoistva gazov. Izd.2., perer. i dop. Moskva, Izd-vo
"Energiia," 1964. 294 p. (MIRA 17:6)

DOROGOV, Boris Sergeyevich; MELEYEV, A.S., red.

[Erosion of the blades in steam turbines] Eroziia lopatok
v parovykh turbinakh. Moskva, Energiia, 1965. 93 p.
(MIRA 18:2)

ZUBAREV, Vladimir Nikolayevich; ALEKSANDROV, Aleksey Aleksandrovich;
MELEYEV, A.S., red.; VUKALOVICH, M.P., red.

[Practical work in engineering thermodynamics] Praktikum po
tekhnicheskoi termodinamike. Moskva, Energiia, 1965. 295 p.
(MIRA 18:5)

L 07011-67 EWT(1) GW

ACC NR: AN7001066

SOURCE CODE: UR/9009/66/000/122/0004/0004

16
B

AUTHOR: Meleyko, S.

ORG: none

TITLE: Going into the storm

SOURCE: Leningradskaya pravda, 26 May 66, p. 4, col. 1-3

TOPIC TAGS: oceanographic ship, hydrometeorology/Okeanograf oceanographic ship, Aysberg oceanographic ship

ABSTRACT: The specialists of the Leningrad Department of the Oceanographic Institute and the Northwestern and Murmansk Administrations of the Hydrometeorological Service have now been at sea for three weeks aboard the two 430-ton

vessels "Okeanograf" and "Aysberg"; the expedition is headed by I. D. Zykov. The expedition has three objectives: study of the North Atlantic Current and its influence on the fish resources of the Norwegian and Barents seas, new spectral analyses of sea waves for use by shipbuilders and navigators, and collection of meteorological data. Operating in the neighborhood of the Shetland and Faeroe islands, they are using 1.5-ton buoy stations; a cable is attached to the latter and current recorders are lowered to depths of 1,000-1,200 meters. Unfortunately, most of the article deals with general comments on the importance of measurements of currents and waves. It is only noted that waves are measured with a radio apparatus for automatic recording of wave parameters. An antenna floats on the water surface, but the sensor is at a depth of 60 m; although it may drift several miles from the vessel, it is easily tracked. No other specific information is given; the date of return is not stated, but the next expedition on these vessels will begin in July. [JPRS: 37,397]

SUB CODE: 08, 04 / SUBM DATE: none

Card 1/1 eagle

092401 R 9

MELEZER, Miklos, dr.

Viral theory of the origin of malignant tumors in the light of
recent research. Orv. hetil. 104 no. 29:1346-1349 J1 '63.

1. Pecsi Orvostudomanyi Egyetem, Borgyogyaszati Klinika.
(NEOPLASMS) (TUMOR VIRUSES)

MELEZHIK, V.

Toward knowledge. Mast.ugl. 9 no.10:21-22 0'60. (MIRA 13:10)

1. Nachal'nik uchebnogo punkta Semenovsko-Golovkovskogo razreza,
g. Aleksandriya.
(Technical education)

MALINOVSKIY, V.G.; MELEZHIK, V.D.; SAVOSKINA, I.S.

Seminar o improving the technology steel production in oxygenblown converters. Met.i gornorud. prom. no.6:81-82 N-D '63.
(MIRA 18:1)

MELEZHIK, V.D.

Preparation of iron ore for steelmaking. Met. i gornorud.
prom. no. 3:24-26 My-Je '64. (MIRA 17:10)

MELEZHIK, V.D.; AL'TER, V.F.

Repair work in metallurgical plants in capitalist countries.
Met. i gornorud. prom. no.3;82-83 My-Je '64. (MIRA 17:10)

MELEZHIK, V.D.

Intensification and improvement of the steelmaking process.

Met. i gornorud. prom. no.2:82 Mr-Ap '65.

(MIRA 18:5)

MELEZHIK, V.D.

A system for the automatic control of thermal conditions in open-hearth furnaces taking into account the intensity of gas separation from the bath. Met. i gornorud. prom. no.4:79-80
(MIRA 18:10)
Jl.-Ag '65.

MELEZHIK, V.D.; PRYADKINA, A.K.

All-Union Conference on the Complex Automation of Steel
Smelting. Met. i gornorud. prom. no.6:76-77 N-D '65.
(MIRA 18:12)

L 31713-66 EWT(m)/EWP(t)/ETI IJP(c) JD

SOURCE CODE: UR/0383/66/000/001/0089/0089

ACC NR: AP6021337

22
B

AUTHOR: Melezhik, V. D.

ORG: none

TITLE: Computer system for automation of open-hearth furnaces

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 1, 1966, 89

TOPIC TAGS: metallurgic furnace, metal melting, slag

ABSTRACT: At the end of 1965, work was begun at the Metallurgical Plant imeni Dzerzhinsk on a computer system for automation of open-hearth furnaces. The system provides for the following functions: control of the thermal process; regulation of flow rates for fuel, air, oxygen and regulation of gas pressure in the furnace; combustion correction based on the oxygen concentration in the flue gases; control of heat regenerating time and switching of the regenerator; control of maximum heat in the regenerator brickwork; calculation and recording of efficiencies and heat absorption in the working space of the furnace; indicating heat content of the charge; analysis and recording of the concentration of oxygen, carbon dioxide and water vapor in the flue gases; calculation and registration of the rate at which carbon is burned out of the bath; indication of the carbon content in the furnace bath; measurement and recording of the steel temperature in the furnace after smelting; analysis of slag specimens; telemetry of data from express analysis of metal and slag samples; weighing

UDC: 65.011.56:669.183.21

Cord 1/2

L 31713-66

ACC NR: AP6021337

of the melt in the ladle on the stand; recording of the duration of melting periods and delays. The system may be used to control 7-12 parameters. Experimental melts indicate that the system will increase the productivity of the furnace by 3% and result in a fuel saving of 6% and an oxygen economy of 5%. [JPRS]

SUB CODE: 13, 11 / SUBM DATE: none

Card 2/2 JJD

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001033410003-6

MELEZINEK, Adolf, ins.

Semiconductor technology in industrial schools. Slaboproudý obzór
23 no.11:665-666 N '62.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001033410003-6"

MIKLASHESKII, Yevgeniy Pavlovich; MEL'GUNOV, Nikolay Fedorovich;
GRADISHCHEV, N.Ye., nauchnyy red.; ISHEKHANOV, V.S., red.;
TOKER, A.M., tekhn.red.

[Vibratory building machinery] Vibratsionnye stroitel'nye
mashiny. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhnizdat,
1950. 114 p.
(Building machinery)

(MIRA 14:3)

1. MEL'GUNOV, N. M. Eng.
2. USSR (600)
4. Electric Lines
7. Electric transmission of high voltage direct current. (Condensed from BEAMA Journal, May 1950). Elektrichestvo no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

MEL'GUNOV, N.M.

High-tension d.c. power transmission systems of the latest design
and their future use in the U.S.S.R. Izv. NIIPT no.1:21-38 '57.
(MERA 18:9)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001033410003-6

MEET GROUP 11 M.

2
1993 - Please be advised that the following information is
considered to be of potential interest to the United States
intelligence community. It is believed to be reliable.
A series of recommendations for establishing a permanent
representation office in the United States can be found in the basic report.

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During operational and the technical and operational phases which were

Ready to Report

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APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001033410003-6"

MEL'GUNOV, N. M.

24-6-9/24

AUTHOR: Mel'gunov, N. M. (Leningrad).

TITLE: Systems with capacitatively coupled bridge connected convertors (rectifiers and invertors) of d.c. power transmission systems. (Skhemy s kondensatornym prisoyedineniyem mostovykh preobrazovateley elekthroperedach postoyannogo toka).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk"
(Bulletin of the Ac.Sc., Technical Sciences Section),
1957, No.6, pp.49-57 (U.S.S.R.)

ABSTRACT: The here described circuit differs from the current ones in that each bridge of the rectifying and inverting substations is connected to the a.c. side by means of capacitors and not by means of transformers. The variants of such a circuit are shown in Fig.1, p.49. Compared with transformer coupled rectifier/inverter circuits the capacitor coupled circuits have a three to four times lower inductance of the commutation circuit, which reduces appreciably the commutation angles and commutation times under load and also the condensers act as a barrier maintaining the polarity of the voltage constant and not allowing it to stress the neutral point of the transformer. An idealised case of a bridge rectifying circuit with a capacitor connection and

Card 1/3

24-6-9/24

Systems with capacitatively coupled bridge connected converters (rectifiers and invertors) of d.c. power transmission systems. (Cont.)

instantaneous commutation is shown in Fig.2 (rectifying regime) and Fig.3 (inverting regime). As can be seen, the voltage across the capacitors is trapezoidal in form which, in the first approximation, can be replaced by a sinusoid which allows the construction of a voltage vector diagram. A quantitative analysis is then given and illustrated with graphs (Figs. 5 to 8). The analysis was verified on a model laboratory set-up. The losses are reduced from about 0.8% in the case of coupling by transformers (at full load) to about 0.25% of the rated load for capacitor coupling and there are no-load losses; furthermore, there will be no losses due to the use of synchronous compensators. A further advantage is that coupling of the invertors by means of capacitors improves the stability in the case of voltage drop, particularly under various short circuit conditions; this important effect has been verified by experiments on models and in Fig.11 an oscillogram is reproduced which shows the operation of the inverter during accidental reduction by 45% of the voltage of the receiving system and it can be seen that the invertors continue their

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24-6-9/24

Systems with capacitatively coupled bridge connected
convertors (rectifiers and invertors) of d.c. power
transmission systems. (Cont.)

operation. There are 11 figures and one Slavic reference.

SUBMITTED: March 12, 1956.

AVAILABLE:

Card 3/3

NEYMAN, L.R.; TOLSTOV, Yu.G., doktor tekhn. nauk; PIMENOV, V.P., kand. tekhn. nauk; POSSE, A.V., kand. tekhn. nauk; SAKOVICH, A.A., kand. tekhn. nauk; BUTAYEV, F.I., kand. tekhn. nauk; MEL'CHIKOV, N.M., inzh.; SONIN, M.R., inzh.

[Long-distance high-voltage direct-current transmission] Peredacha energii postoiannogo toka vysokogo napriazheniya na dal'nie rastoyaniia. Pod red. L.R. Neimana. Moskva, 1958. 64 p. (MIRA 11:10)

1. Russie (1923- U.S.S.R.) Sovet Ministrov. Gosudarstvennyy nauchno-tehnicheskiy komitet. 2. Chlen-korrespondent Akademii nauk SSSR (for Neyman).

(Electric power distribution)

MEL'GENOV, N.M.

DOLGIREV, V.A.

8(3) : POWER SOURCE EXPLOITATION 804/1956

Moscow. Mezho-Isledovatel'skiy institut po elektricheskym tonam
Perevodchika energii po elektricheskym i peremennym tonam (Power Transmission by Direct
and Alternating Current) Moscow, Gosenergoizdat, 1956. 354 p. (Series:
Itogi Investiga, no. 3) 3,550 copies printed.

Ed.: Piatakov, A.N.; Tech. Ed.: Vaynshteyn, L.V.; Editorial Board: Shchedrin,
E.N., Doctor of Technical Sciences, Corresponding Member, USSR Academy
of Sciences; Professor (Chief Ed.); Gertalik, A.K., Engineer; Kozai'yanov, V.I.,
Candidate of Technical Sciences; Piatakov, V.P., Candidate of Technical
Sciences; Piatakov, A.K., Candidate of Technical Sciences; Poche, A.V.,
Candidate of Technical Sciences; Sosin, I.A., Doctor of Physical and Mathematical
Sciences, Professor; Smirnov, E.R., Engineer; Smirnova, N.G., Candidate
of Technical Sciences.

PURPOSE: This collection of articles, issued by the USSR Ministry of Electric Power
Stations, is intended for scientists, engineers and designers of high-voltage
overhead transmission lines.

Card 1/13

Mel'genov, N.M. Basic Features of a System With Bridge Converters
Connected Through Capacitors in D-C Transmission Lines

255

The author explains the theory and practical application of this
system, which consists in the possibility of connecting bridge converters
to an a-c network not through transformer, as is usually done, but
through a bank of capacitors (N.M. Mel'genov holds author's certificate
No. 105407, 1952 on this method). There is 1 appendix, 16 enclosures
and 5 Soviet references.

Card 10/13

MEL'GUNOV, N.M.

Basic features of circuits with capacitive connection of bridge-type converters in d.c. power transmission lines. Izv.NIIPT no.3:255-281 '58. (MIRA 12:1)
(Electric circuits) (Electric power distribution)

AUTHORS:

1) Tsukernik, L. V., Candidate of
Technical Sciences
2) Groys, Ye. S.,
3) Mel'gunov, N. M., Engineer, Chairman of the Scientific
Research Institute of Direct Current

SOV/105-58-9-17/34

TITLE:

Prospects in the Application of Direct-Current Transmission
in the USSR (O perspektivakh primeneniya elektroperedach
postoyannogo toka v Sovetskem Soyuze)

PERIODICAL: Elektrichestvo, 1958, Nr 9, pp 70 - 75 (USSR)

ABSTRACT: This is a comment on the article by N.M.Mel'gunov in
Elektrichestvo, 1957, Nr 2. 1) The point is stressed that
no consideration has been taken of the prospects offered
by atomic power engineering, not even in a general form.
There is, however, reason to believe that at the moment
where d.c. transmission has matured as to be of importance
for industry atomic energy power generation will have
sufficiently developed. 2) On March 11, 1958, the General
Assembly convened of the members of the Pervichnaya organi-
satsiya NTOEP Nauchno-issledovatel'skogo instituta postoyannogo

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Prospects in the Application of Direct-Current
Transmission in the USSR

SOV/105-58-9-17/34

toka (Sub-Section of the NTOEP at the Scientific Research Institute of Direct Current). This meeting featured a discussion of the commentaries to the article by Mel'gunov in Elektrichestvo, 1957, Nr 2. It was attended by the leading scientific collaborators of the Institute of Direct Current, representatives of the Leningradskaya laboratoriya Energeticheskogo instituta AN SSSR (Leningrad Laboratory at the Institute of Power Engineering, AS USSR) of the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute), of the Teploelektroprojekt, of the Gidroproyekt etc. The note presented by Mel'gunov as item 3 in this paper was read and discussed. The draft for the decision to be adopted which was prepared by N.N.Shchedrin, Ye.S.Groys, V.I.Yemel'yanov, V.M.Kvyatkovskiy, N.M.Mel'gunov and A.M.Reyder was also debated. V.M.Kvyatkovskiy, A.K.Gertsik, M.V.Kostenko, N.A.Shipulina (a woman), P.G. Sorokin, V.I.Yemel'yanov, I.F.Polovoy, Ya.S. Tatevosyan, V.V. Bolotov and N.D.Leshukov took part in the debate. The decision was approved unanimously. Its outstanding points are: D.c.transmission should be mainly applied in the transmission

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Prospects in the Application of Direct-Current
Transmission in the USSR

SOV/105-58-9-17/34

of great energies across wide distances, as such a transmission is more economical than others. D.c. transmission is the most economical as compared to railroad transportation of fuel and to other systems of power transmission, whereas an alternating current transmission is almost beaten in the competition with railroad coal transportation. D.c. transmissions operating at $\pm 600-700$ kV will be realized in the near future and are capable of transmitting as much as 30 billion of kWh per year through one line. One kWh transmitted across a distance of about 2500 km will cost about 0,5 - 0,6 kopecks. Hence it will be possible to exploit the energy produced by the Angara-Yenissey cascade of power dams, that produced in the open-face mining area in Kazakhstan, and that produced from the non-transportable coal in the Krasnoyarsk district to supply the European part of the Union. As in the next 15 years gas production will climb to a level of 270 - 320 billion m³ per annum it will partly be available for the production of electric power. Calculations showed that a d.c. transmission offers advantages above a gas pipeline.

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Prospects in the Application of Direct-Current
Transmission in the USSR

SOV/105-58-9-17/34

The economy of a d.c. transmission increases with the distance covered as compared to that of alternating current transmission. When the costs of d.c. transmissions with good prospects are to be calculated it is not advisable to proceed from the data provided by the Stalin-grad Power Station - Donbass project. There is no reason to doubt the possibility of building d.c. transmission lines with interspaced substations. Tests carried out on the line Kashira-Moscow with d.c. contactors (developed in the LPI, the Plant "Electric Apparatus and the NIIPT) substantiate the possibility of switching off d.c. power in high tension-lines. In d.c. transmission the system for the control of the unified power systems can be considerably simplified and the individual systems require no synchronizing. There are 2 tables and 3 references, 3 of which are Soviet.

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Prospects in the Application of Direct-Current
Transmission in the USSR

SOV/105-58-9-17/34

ASSOCIATION: 1)Institut elektrotehniki Akademii nauk USSR (Institute
of Electrical Engineering, AS UkrSSR) 2)Pervichnaya organi-
satsiya NTOEP Nauchno-issledovatel'skogo instituta postoyannogo
toka (Subsection of the NTOEP at the Scientific Research
Institute of Direct Current) 3) Nauchno-issledovatel'skiy
institut postoyannogo toka (Scientific Research Institute
of Direct Current)

Card 5/5

8(3)

AUTHOR:

Mel'gunov, N. M. Engineer

SOV/105-58-12-20/28

TITLE:

Economy of Direct Current Transmissions under Conditions
Prevailing in the USA (Ekonomika elektroperedach postoyannogo
toka v usloviyakh SShA)

PERIODICAL:

Elektrичество, 1958, Nr 12, pp 79-81 (USSR)

ABSTRACT:

This is an abstract from the English-language-paper by J. Holm
"Economy of Direct Current Electric Transmissions" published
in the Transactions AIEE (December 1957, pp 849-860) and of the
discussion raised by this paper.
There are 5 figures and 1 table.

Card 1/1

8(3)

AUTHOR:

Mel'gunov, N. M., Engineer

SOV/105-59-8-22/26

TITLE:

High-tension Direct-current Systems as Related to Interrupting
Problems

PERIODICAL:

Elektrichestvo, 1959, Nr 8, pp 83-84 (USSR)

ABSTRACT:

This is an abstract on the article by N. Hingorani "Problems of the Realization of High-Tension Direct-Current Systems, Including Commutation", published in English in the periodical "Direct Current". In this connection it is mentioned that in recent times the model of a direct-current circuit breaker for 200 kv has been tested on the test line Kashirskaya GRES-Moscow (Kashira State Regional Electric Power Plant - Moscow), which provided satisfactory results (Ref 2). There are 3 figures and 2 Soviet references.

Card 1/1

MEL'GUNOV, N. M., Cand Tech Sci (diss) -- "DC power transmission with condenser connections for bridge transformers". Leningrad, 1960. 18 pp (Min Higher and Inter Spec Educ RSFSR, Leningrad Polytech Inst im M. I. Kalinin), 150 copies (KL, No 12, 1960, 127)

MEL'GUNOV, N.M.

Economic comparison of d.c. and a.c. power transmission lines
in the U.S.A. Elektrichesstvo no. 12:85-86 D '60.
(MIRA 14:1)
(United States--Electric power distribution)

KVYATKOVSKIY, V.M.; MEL'GUNOV, N.M.

Static stability of a d.c. power transmission system feeding a receiving load of a comparable power. Izv. NIIPT no.7:93-110 ('61. (MIRA 14:9)

(Electric power distribution--Direct current)

YEGOROVA, I.V.; IKONNIKOVA, T.V.; MEL'GUNOV, N.M.; MESHKOVSKIY, V.K.

Features of d.c. power transmission to systems not fed by local
electric power plants. Izv. NIIPT no.8:111-133 '61. (MIRA 15:7)
(Electric power distribution--Direct current)

MEL'GUNOV, N.M., kand.tekhn.nauk (Leningrad)

Inverter substations designed for feeding a receiving system without counter e.m.f. of local electric power plants. Elektriches'tvo no.11:42-47 N '61.
(MIRA 14:11)
(Electric power distribution) (Electric substations)

MEL'GUNOV, N.M.

Transmission of d.c. power between the southern and northern
islands of New Zealand. Elektricheskoe no.1:93-94 Ja '62.
(MIRA 14:12)
(New Zealand--Electric power distribution--Direct current)

MEL'GUNOVAM.
MEL'GUNOVA, M.

Calling from automobiles. Za rul. no.12:14 D '57. (MIRA 11:1)
(Communication and traffic)

MEL'GUNOVA, T. M.

Mel'gunova, T. M. and Loriye, I. F. "The use of 'combined heterochemotrans-fusions' in treating ulcers of the stomach and duodenum", Vracheb. delo, 1948, No. 12, paragraphs 1053-58.

SO: U-3042, 11 March 53, (letopis 'zhurnal 'nykh Statey, No. 10, 1949).

PHASE I BOOK EXPLOITATION SOV/5326

T. D. Mirimova, Z. A. Rassadina, T. M. Mel'gunova, K. A. Moskacheva, Shparo,
L. A., T. V. Fokina,

Oсобенности реакций растущего организма на действие ионизирующих излучений
radiatsii (The Peculiarities of the Reactions of a Growing Organism
to the Effect of Ionizing Radiation) Moscow, Medgiz, 1960. 177 p.
Errata slip inserted. 4,000 copies printed.

Ed.: Ye. F. Baranova. Tech. Ed.: N. S. Kuz'mina.

PURPOSE: This book is intended for biologists, physiologists, and other
specialists concerned with the effects of ionizing radiation on the
human organism.

COVERAGE: The book reports an investigation of the effects of ionizing
radiation on humans and animals at different ages, ranging from
infancy to maturity. The total reaction of an organism, manifested
by its general sense of well-being, behavior, variation in weight, longe-
vity, condition of blood, external condition of skin, etc., as well as
the disturbances in individual organs, tissues, and their functioning
are discussed.

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The Peculiarities of the Reactions (Cont.)

Sov/5326

work is based on studies conducted at the Radio biological Laboratory of the Institute perdiatrii AMN SSSR (Institute of Pediatrics of the Academy of Medical Sciences of the USSR) on the reactions of laboratory animals as well as children exposed to radiation in the course of x-ray therapy. The following scientists are mentioned as being made significant contributions recently in this field of research: K. K. Poplavskiy, P. Peterson, A. V. Kozlova, V. F. Cherkasov, Ye. A. Dikovenko, I. A. Volodiana, M. A. Aleksandrovskaya, V. A. Troiskiy, G. A. Izergin, A. M. Rusanov, V. V. Kholin, A. P. Chesnokova, A. I. Osopovkiy, T. B. Ulissova, G. S. Kunicheva, A. P. Yegorov, V. V. Bochkarev, and M. P. Konshlak. There are 250 references: 190 Soviet, 43 English, 16 German, and 1 French.

TABLE OF CONTENTS:

Introductions

Ch. 1. Characteristics of Clinically Manifested Reactions of a Growing Organism to the Action of Ionizing Radiation During

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The Peculiarities of the Reactions

SOV/5326

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Card 3/4

The Peculiarities of the Reactions

SOV/5326

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Instances of crippling in the progeny of animals affected with acute radiation sickness early in life (L. A . Shparo)	155

Bibliography

AVAILABLE: Library of Congress (QH652.075)

Card 4/4

JA/dwm/jw
9-8-61

AKULOV, N.S.; MEL'GUY, M.A.

Electrostriction theory of phase transitions in barium titanate. Dokl. AN BSSR 7 no.10:661-665 O '63.
(MIRA 16:11)
1. Fiziko-tehnicheskiy institut AN BSSR.

32739-65 EWT(1)/EPA(s)-2/EEC(t) Pt-7/14 IJP(c) GG
ACCESSION NR: AP5011086 UR/0250/65/009/003/0156/0159

24
22

AUTHOR: M. GUY

ABSTRACT: The statistical Preisach-Akulov method (Preisach, L. S., 1935; Akulov, 1935; Turik, Vizika 277, 1935) for magnetic hysteresis calculations was used by A. V. Turik (Vizika 277, 1935) during his study of the polarization curves and hysteresis loops of ferroelectrics in a weak field domain. An essential weakness of such hysteresis theories is the absence of a fully definite representation of the actual distribution function. The substitution of such a function by a constant or its expansion in power series (with the subsequent use of only a few initial terms) limits the field strength intensity and fails to describe the saturation effects. The present study attempts to supply a more concrete distribution function and eliminate certain difficulties connected with the Preisach diagram.

Card 1/2

52759-55

ACCESSION NR: AF5011086

Namely, the repolarization of samples during the application of an external electric field is caused by: a) generation of a large number of small nuclei with polarization oriented in the direction of the applied field, and b) subsequent growth of these nuclei by displacement of domain boundaries (V. Merts, Fizika dielektrikov, Tr. II Vsesoyuznoy konferentsii, AN SSSR, M., 1960). Consequently, the author applies the statistical distribution laws to the coercive and internal fields of the individual elementary crystalline nuclei and not to the domains as a whole. He derives expressions for the polarization, repolarization, and residual polarization of ferroelectric monocrystals in external fields. Orig. art. has: 13 formulas and 1 figure.

ASSOCIATION: Otdel fiziki nerazrushayushchego kontrolya AN BSSR (Department of Physics of Indestructible Control, AN BSSR)

SUBMITTED: 22Apr64

ENCL: 00

SUB CODE: EM

NO REF Sov: 005

OTHER: 002

Card

2/2

L 3653-66 EWT(d)/EWT(1)/EPA(5)-2/EWP(c)/EWF(v)/T/EAP(k)/EWP(l)/ETC(m) LIP(c)
ACCESSION NR: AP5024148 ^{WW/GG} UR/0250/65/009/009/0581/0584 ⁴²

AUTHOR: Mel'guy, M. A.; Akulov, N. S. ³⁸
^{94,55} ^{44,55}

TITLE: The theory of hysteresis phenomena in ferroelectrics ⁸³

SOURCE: AN BSSR. Doklady, v. 9, no. 9, 1965, 581-584 ^{21,44,55}

TOPIC TAGS: hysteresis loop, Gaussian distribution, ferroelectric crystal, statistical analysis

ABSTRACT: In some cases it is advantageous to consider hysteresis phenomena simply in a statistical way, without posing the question of their physical bases but concentrating on the important fact that the superposition of different factors leads to a divergence of the magnitude of the coercive force from the mean value. In these cases it is necessary to introduce a distribution function. Preisach has shown that for a theoretical explanation of the hysteresis loop it is necessary to consider the distribution function for internal fields. To this end, he introduced a Gaussian distribution function. However, a Gaussian distribution function which describes the processes in a general form brings about difficulties in inte-
Card 1/2

L 3653-66

ACCESSION NR: AP5024148

gration and in obtaining generalized analytical expressions. The present article is an attempt to extend the Preisach-Akulov statistical method to weak, medium and strong fields. A mathematical treatment of the subject results in an expression for the desired values. However, the coefficients in the function may depend on the material, the temperature, the pressure, and other factors. Orig. art. has: 18 formulas and 1 figure.

ASSOCIATION: Otdel fiziki nerazrushayushchego kontrolya AN BSSR (Department of the Physics of Nondestructive Testing of the AN BSSR) 44/55

SUBMITTED: 11Mar65

ENCL: 00

SUB CODE: SS, EM, MA

NR REF SOV: 005

OTHER: 001

JC
Card 2/2

L 10261-67 EWT(1)/EBC(k)-2 IJP(c)
ACC NR: AF7003097

SOURCE CODE: UR/0250/66/010/006/0377/0380

AUTHOR: Akulov, N. S.; Mel'guy, M. A.

31

ORG: Physics Section for Nondestructive Testing, AN BSSR (Otdel fiziki nerazrushayushchego kontrolya AN BSSR)

TITLE: Theory of hysteresis in piezoelectric polycrystals

SOURCE: AN BSSR. Doklady, v. 10, no. 6, 1966, 377-380

TOPIC TAGS: piezoelectric crystal, hysteresis loop

ABSTRACT: The statistical approach to the study of hysteresis phenomena leads to convenient analytical expressions for the principal curve and the hysteresis loop if the distribution function of the coercive and internal fields is found. Analytical expressions found earlier for the initial polarization curve, the downward hysteresis loop, and the upward hysteresis loop are generalized to a quasistationary repolarization process in piezoelectric polycrystals.

A family of hysteresis curves is obtained for polycrystalline BaTiO₃ for various applied field strengths. The theoretical hysteresis curves plotted with the given relations agree well with the oscilloscope traces over the entire range of field strengths from weak to strong, up to saturation. Orig. art. has: 1 figure and 12 formulas. [JPRS: 38,168]

SUB CODE: 09 / SUBM DATE: 15Mar66 / ORIG MEF: 004 / OTH REF: 003

Card 1/1

MELIAN, C.

TECHNOLOGY

Periodicals: PETROL SI GAZE. Vol. 9, no. 8, Aug. 1958

MELIAN, C. A modification made upon the State standard 407/49, 310 mm. diameter, fishtail bit. p. 343

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

MELIAN, C.

TECHNOLOGY

Periodicals: PETROL SI GAZE. Vol. 9, no. 10, Oct. 1958

MELIAN, C. Drilling in altering rocks, marl, weak rocks, and hard abrasive media. p. 442

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

MELIAN, E. ; BODEA, C.

Autoxidation of B-carotene sensitized by a and b chlorophyll. p. 127.

STUDII SI CERCETARI STIINTIFICE. CHIME. Iasi, Romania
Vol. 8, no. 1, 1957

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 9
Sept. 1959

Uncl.

COUNTRY : ROMANIA
CATEGORY : Chemical Technology. Chemical Products and
 Their Uses. Part 3. Pesticidos
JRS. JOUR. : RZChim., No. 1 1960, No. 2266
AUTHOR : Bocea, C.; Melian, E.; Tomas, V.; Kolosy, E.
INFO. :
TITLE : On the Preparation of the Arsanilate of Mercury
 and Its Activity in the Control of Soot
ORIG. PUB. : Rev. chim., 1958, 9, No 5, 253-255
ABSTRACT : In search for a preparation which would contain
both fungicidal and insecticidal (and maybe
also raticidal) properties, the preparation
and biological activity of arsanilate of mer-
cury (I) were studied. In order to prepare I,
arsanilic acid is dissolved in a conc. solution
of NaOH or Na₂CO₃ and, by the addition of alco-
hol, the Na salt of I is separated which, react-
ing with MgCl₂ (in a ratio of 2:1), forms I

CARD: 1/3

127/2

COUNTRY :
CATEGORY :
ABS. JOUR. : RZKhim., No. 1 1960, No. 2266
AUTHOR :
INST. :
TITLE :

ORIG. PUB. :
ABSTRACT : with a yield of 96.5%, decomp. temp. > 150°.
cont'd Laboratory tests according to the Tissner method, as modified by A. Savulescu and A. Nulca (Savulescu, A., Nulca, A., An. I. S. A. R., Seria noua, XX, 1948-1949, 357), showed an increased fungicidal activity of the preparations when used for the treatment of seeds with 6% aqueous solution of NaCl containing 0.1% of I. Withal, a certain decrease of energy

CARD: 2/2

COUNTRY : H
CATEGORY :
ABS. JOUF. : RZKhim., No. 1 1960, No. 2266
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT cont'd : in the sprouting of seeds is observed. Insecticidal properties were studied on the larvae of *Aporia crataegi* and *Bombyx mori*. The results showed a medium or weak insecticidal action of I.-- N. Khurdeuk

CARD: 3/3

H-70

SEDLIAK, M. (Kosice, Facultna nemocnice); MELICH,A.; SIMKO,J.; HORAK,C.

On hormonal therapy of threatened abortion. Česk. gynek. 30
no.1:51-54 Mr'65.

I. Gyn. por. klinika Lekarske fakulty University P.J.Safarika
v Kosiciach (prednosta: doc. dr. K. Poradovsky, CSc.).

MELICH, Alojzy, dr.

Certain problems and difficulties of economic growth. Energetyka Pol
18 no.6:161-163 Je '64.

MELICH, HERMAN

CZECHOSLOVAKIA / Chemical Technology. Chemical Products
and Their Application - Medicinals. Vitamins.
Antibiotics

J-3

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5561

Author : Melich Herman

Inst : Not given

Title : Divascol

Orig Pub : Ceskosl. farmac., 1955, 4, No 8, 440

Abstract : A review of the properties and uses of the hydrochloride
of 2-benzyl imidazoline. Bibliography 3 references.

Card 1/1

CZECHOSLOVAKIA

H. MELICH [Affiliation not given] Prague.

"New Drugs. Xantedryl Spofa, Xantedrylettae Spofa."

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 118-119.

Abstract: New anti-asthmatic preparation, combining antihistamine
mepitiethydramine ("Bromadryl"), 10 mg. with ephedrine-HCl 20 mg.,
theophylline 50 mg. and oxyphylline (7-(2-hydroxyethyltheophylline))
12 mg., tablets. "Xantedrylettae" is the pediatric dosage form,
contains 2, 4, 10 and 20 mg. of the respective ingredients.
Comprehensive discussion of pharmacology, administration, dosage.

1/1
L

— 34 —

CZECHOSLOVAKIA

H. MELICH [Affiliation not given]

"Bromadryl-F"

Prague, Ceskoslovenska Farmacie, Vol 12, No 2, Feb 63; pp 119-120.

Abstract: Pharmacologic and pharmaceutical data are given on this new preparation with antihistaminic effect, containing 25 mg. of metrephenehydramine and 10 mg. of phenmetrazine in tablet form. One Arznei-mittelforschung and 2 Spofa house organ references.

1/1

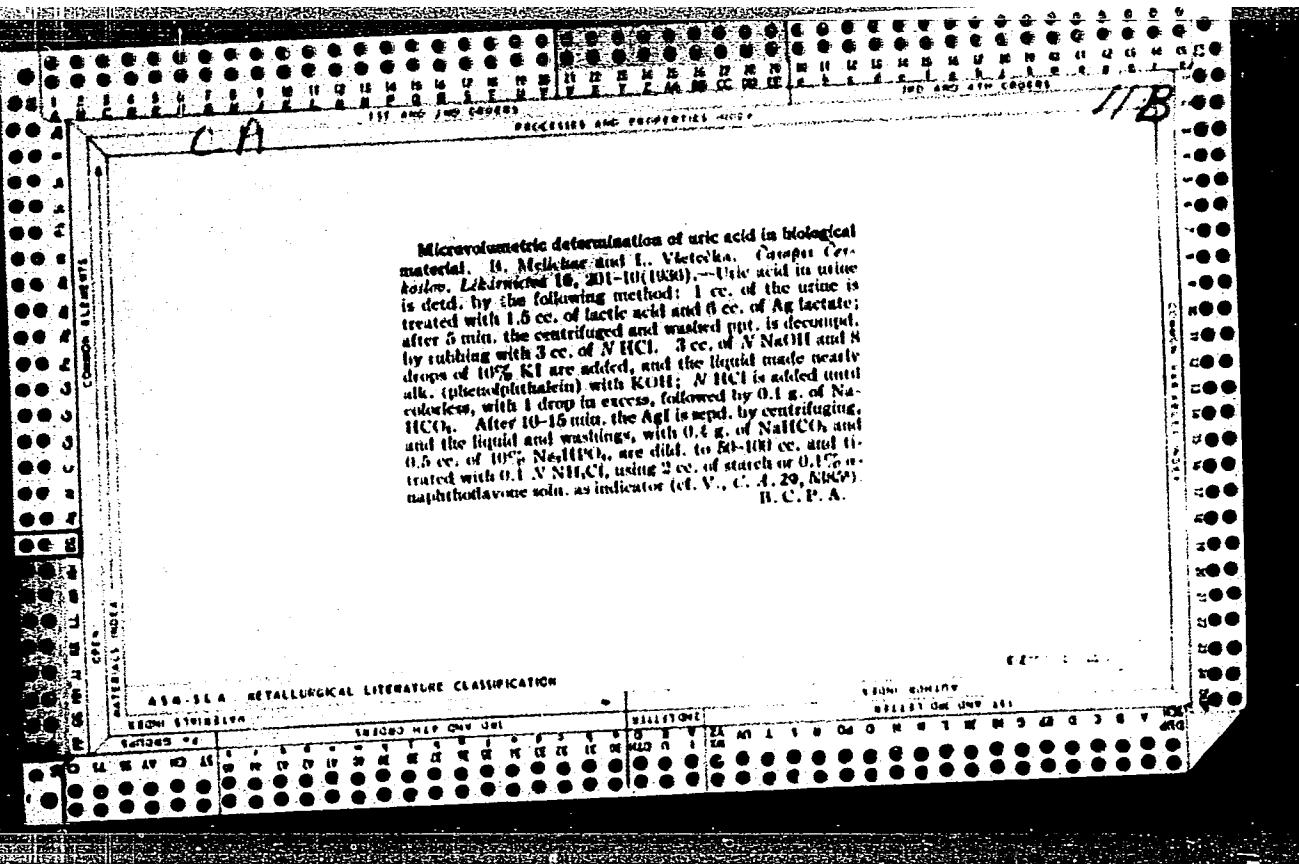
MELICH, H.

Ribo-Azauracil Spofa (6-azauracil riboside). Česk. farm. 12 no.3:
166-168 Mr '63.
(NUCLEOSIDES) (ANTINEOPLASTIC AGENTS)
(PHARMACOLOGY)

VOLCKO, J.; MUZELAK, R.; IVAN, J.; MELICH, O.; KUDLA, Vl.; LUKACIN, St.

Obstetrical surgery in maternity homes in the region of eastern Slovakia and its relation to perinatal mortality. Cesk. gynek.
29 no.6:545-549 Ag '64.

1. Gyn.-por. klin. Lek. fak. University P.J. Safarika v Kosiciach (prednosta doc. dr. K. Poradovsky, CSc.).



MELICHAR, B.

MELICHAR, B.

The origin of drugs. Cas. cest. lek. 63 no.9:99-100 15 May 50
(CIME 19:4)

1. Institute of Pharmaceutical Chemistry at Masaryk University,
Brno.

MELICHAR, JOMUSLAV

Uvod do chemické kontroly lacy. Bohuslav Melichar a Jiri Vlach [Vyd. 2. doplnene] Praha,
Statni pedagogicka nakl., 1952. (Ucetni texty vysokych skol) /Introduction to the chemical
control of drugs." Vol. 1. "Orientation tests." Illus., bibl./

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February,
1954, Uncl.

MELICHAR, B.

Application of azeotropy for the characterization of certain compounds. B. Melichar, O. Krejčová, and V. Vařendová (Masaryk University Brno - Czech). Sborník Československých Konferencí Anal. Chemiků I, 273-8 (1962) (Pub., 1963).
The azeotropic lowerings ΔT of the b.p. were detd. for binary mixts. of H₂O with a series of hydrocarbons (2-methylbutane, pentane, 2-methylpentane, 3-methylhexane, hexane, benzene, heptane, 2,2,4-trimethylpentane, toluene, ρ -xylene, α -pinene, limonene, naphthalene, and carvophylene), alcs. (EtOH, iso-PrOH, PrOH, *tert*-BuOH, Me-BuOH, BuOH, isopentanol, pentanol, hexanol, heptanol, iso-octanol, octanol, linalool), phenyl ethers (Me, Et, Pr, Bu, *tert*-butylpropenyl, methylnaphthyl), and diphenyl ether, and salicylate esters (Me, Et, Bu, Am). When b.p. is plotted vs. ΔT , each class of compds. falls on a smooth curve. The closer the type of cohesive forces of the mol. to that of H₂O, the smaller is ΔT . The closer the b.p. is to that of H₂O, the larger is ΔT . (within a given class). ΔT in alcs. decreases in the order tertiary, secondary, primary, but the branching of hydrocarbons has no effect. The azeotropic lowering can be used in qual. analysis to characterize a compd. in a more specific way than by the b.p. H. Ne *compte*

RA
M

(2)

MAREK, S.;MELICHAR, B.;HLADIK, J.

Establishment of pharmaceutical department in universities in
Czechoslovakia. Česk. farm. 1 no.10:549-554 1952. (CLML 23:4)

MELICHAR, Bohuslav; HORKA, Jiri

Azeotropic distillation as a method of control of drugs. II.
Determination of carvone and caraway oil. Cesk. farm. 3 no.7:
231-235 Sept 54.

1. Z ustanov pro chemii farmaceutickou farmaceuticke fakulty v Brne.
(OILS, determination,
caraway oil, azeotropic distillation of carvone &
caraway oil)

MELICHAR, Bohuslav

Domestic raw material in preparation of drugs. Cesk. farm. 4
no.1:1-4 Jan 55.

(DRUG INDUSTRY,
in Czech., raw material)

MELICHAR, Bohuslav

Chemical drugs in the Czechoslovakian pharmacopeia 2. Cesk. farm.
4 no.2:101-104 Mar 55.

(PHARMACOPEIA

Czech. 2, chem. drugs in)

(DRUGS

chem. in Czech. pharmacopeia 2)

MELICHAR, B

CZECHOSLOVAKIA/Pharmacology - Toxicology, Aminoacid Compounds.

U-7

Abs Jour : Ref Zhur - Biol., No 3, 1958, 13058

Author : Melichar, B., Jakubec, I., Zeinerova, N.

Inst : -
Title : Basic Salts of Aminoacids as Long Acting Antacids.

Orig Pub : Ceskosl. farmac., 1955, 4, No 6, 294-297

Abstract : The following salts were prepared: certain salts of amino acids with aluminum, binary aluminum magnesium salts, as well as a basic aluminum salt of casein hydrolysate. By electrometric titration the antacid activity of two such compounds that had been obtained by different methods was determined and their possible use in lieu of salts of pure aminoacids was ascertained. New compounds were compared with those in use. The authors believe that a mixture of basic aluminum salts obtained in the preparation of casein hydrolysate are not inferior to the best antacids of the same type or to inorganic antacids.

Card 1/1

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Medicinals. Vitamins.
Antibiotics.

H-17

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44309.

Author : Mala Dagmar, Melichar Bohuslav, Maly Josef.

Inst :

Title : Determination of Water in Pharmaceutical Prepara-tions.

Orig Pub: Farmacia, 1955, 24, No 1, 2-9.

Abstract: A review of the physical methods (drying, determination of electric properties, polarography, colorimetry, hetero-azeotropic distillation) and chemical methods (reaction with CaC_2 , CaH_2 , HCOC_2H_5 and $\text{C}_2\text{H}_5\text{ONa}$, and

Card : 1/2

43

Melichar, B.

New refining apparatus. p. 40. KVASYNÝ PRUMYSL. (Ministerstvo
potravinarskeho prumyslu) Praha. Vol. 2, no. 2, Feb. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

MELICHAR, B.

MELICHAR, B. The fusel-oil separator in refining installations. p. 154

Vol. 2, No. 7, July 1956
KVASNY PRUMYSL
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

MELICHAR, B.

Drops carried away by the flow of steam in hat-shaped bottoms of fractionating columns. p. 22. (Strojirenstvi, Vol. 6, No. 1, Jan 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

MELICHER, B. : POKORNY, J.

"Use of thermistors in automatic registration of difference curves of azeotropic distillation" p. 844.

Institute of Applied Physics. (Czechoslovak Academy of Sciences.) Vol. 50, no. 5, May 1956.

^{EAST}
SU: Monthly Index of European Accession (EEAI) LC, Vol. 7, No. 5 May 1958

MELICHAR, B.

A new refining apparatus. p. 60. (Kvasny Prumysl, Vol. 3, No. 3, Mar 1957,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

MELICHAR, B.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application - Processes and Apparatus for Chemical Technology.

H-2

Abs Jour: Referat Zhur-Khimya, No 5, 1958, 14790.

Author : Melichar B.

Inst :

Title : Screen Plates of Rectification Columns.

Orig Pub: Strojirenstvi, 1957, No 9, 663-668.

Abstract: No abstract.

Card : 1/1

MELICHAR, B.

Production of the fine alcohol from sulfite waste liquors.

P. 43 (Czechoslovak Heavy Industry) Vol. 9, No. 9, 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

MELIHAR, B.

CZECHOSLOVAKIA/The Equipment of Laboratories. Appliances.

F.

Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 36039.

Author : B. Melihar, Ya. Pokorný.

Inst : Not given.

Title : The Application of "Thermistores" for Automatic Registration of Differential Curves of Azeotropic Distillation.

Orig Pub: Sb. czechosl. khim. rabot, 1957, 22, No 5, 1695-1698.

Abstract: See R Zh Khim, 1957, 16029.

25

Card : 1/1

MELICHAR, B.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application, Part 1. - Processes and
Apparatus of Chemical Technology.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71075.

Author : Bohuslav Melichar.

Inst :

Title : Hermeticity of Distillating, Purifying and De-hydrating Apparatus.

Orig Pub: Kvasny prumysl, 1958, 4, No 3, 57-60.

Abstract: No abstract.

Card : 1/1

Country : Czechoslovakia II-27
Category :
Abs. Num. : 47490
Author : Melichar, B.
Institut. :
Title : Increased Output Capacity of Rectification
Apparatus with a High Yield of Rectified
Alcohol
Orig Pub. : Kvasny prumysl, 1958, 4, No 10, 229-231

Abstract : A description and a substantiation of the recti-
fication procedure that has been developed, and also the
pertinent diagrams. -- G. Oshmyan.

COUNTRY	: Czechoslovakia	H-27
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 21 1959, No.	76446
AUTHOR	: Melichar, S.	
TYPE	: Not given	
TITLE	Sieve Plate Alcohol Columns	
ORIG. PUB.	Kvasny Prumysl, 5, No 4, 100-104 (1959)	
ABSTRACT	On the basis of up-to-date data, the feasibility of the application of sieve plates (SP) in distillation and rectification columns of high capacity, whenever such applications are made possible by the processes used, is demonstrated. Reductions in the metal requirements and costs of the columns and simplifications in their construction by the application of SP are noted. The parameters and indexes of SP of various designs are listed. G. Oshmyan	
CAPD:	1/1	

MELICHAR, B.

Measuring steam consumption in alcohol distilleries. p. 167.

KVASNY PRUMYSL. (Ministerstvo potravinarského prumyslu) Praha, Czechoslovakia.
Vol. 5, no. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959.
Uncl.

MELICHAR, Bohuslav; POKORNY, Jaroslav, Technicka spoluprace

Modified pH measurement in the determination of cholinesterase in a
large number of samples. Pracovni lek. 13 no. 7:355-360 S '61.

1. Biochemicks oddeleni Vyzkumneho ustavu veterinarniho CSAZV, Brno.

(HYDROGEN ION CONCENTRATION) (CHOLINESTERASE chem)

JAKUBEC, I.; MELICHAR, B.

Azeotropic distillation as a method for the control of drugs. VI.
Semi-automatic apparatus for the determination of ethanol by distillation
of a ternary ethanol-toluene-water mixture. Cesk. farm. 11 no.8:393-
396 O '62.

1. Katedra farmaceuticke chemie farmaceuticke fakulty University
Komenskeho, Bratislava.

(ALCOHOL, ETHYL) (TOLUENE) (CHEMISTRY, PHARMACEUTICAL)

MELICHAR, B., Docent Dr; HAIS, K., DVM.

Czechoslovakia

Brno, Veterinářství, No 1, 1963, pp 13-17

"Contribution to the Biochemical Explanation of the
Ethiology of Tympanitis Acuta and Experiences with
Silicon Antifoaming Agents."

2

HAIS, Karel, MVDr.; MELICHAR, Bohuslav, doc. dr. PhMr.

Effect of organophosphorous insecticides on the health of
domestic animals. Pt.3. Veter medicina 8 no.1:31-40 Ja '63.

1. Research Institute of Veterinary Medicine, Brno, Biochemical
Department. Director of the Institute: [inz. MVDr. doc.]
Jan Vlcek.

CZECHOSLOVAKIA

MELICHAR, Bohuslav, Docent, Dr, Magister of Pharmacy, and VILLO-MITZEM, Jindrich, Dr of Veterinary Medicine, Candidate of Sciences, Research Institute of Veterinary Medicine (Vyzkumný ustav veterinárního lekarství), Brno, Docent Engr Jan VLCEK, Dr of Veterinary Medicine, director.

"Effect of the Aerosols of Nontoxic Physical Insecticides on the Ectoparasites of Fowl."

Prague, Veterinarni Medicina, Vol 8(XCVI), No 4, August 63,
pp 275-284.

Abstract [Authors' English summary, modified]: Determined were the physical and chemical parameters of ten substances of the following types: SiO_2 aerogels, silicates, adsorption carbon, and fly ashes. A method was established for determining the effect of physical insecticides on *Dermanyssus gallinaceus* and *Musca dom.* The correlation was determined between the size of the surface of the SiO_2 substances and silicates and their effect on *Dermanyssus* in vitro. The nontoxicity of three SiO_2 aerogels in chickens is reported as well as their positive effect on *Dermanyssus gallinaceus* and *Menopon gallinaceum* in hens. Further experiments are announced on the evolution cycles and techniques of application. Twenty references, including 8 Czech and 1 Russian.

1/1

MELICHAR, Bohuslav

Failure of the evaporation shell. Kvasny prum 9 no.1:14-15
Ja '63.

1. Zavody Vitezneho unora, Hradec Kralove.

MELICHAR, Bohuslav

Measurement of the distillation and rectification apparatus in
the Leopoldov distillery. Kvasny prum 9 no.9:212-216 S '63.

1. Zavody Vitezneho unora, n.p., Hradec Kralove.

MELICHAR, B., doc., RNDr., PhDr.; WILLOMITZER, MVDr., C.Sc.

Effect of nontoxic physical insecticides on ectoparasites
of domestic animals in vitro. Vestnik vyzk zemedel 10
no.1:12-13 '63.

1. Vyzkumny ustav veterinarniho lekarstvi, Brno.